

**I claim:**

1. A safety catch device of a sealing machine, said safety catch device being arranged at an opening in the front side of a machine body of said sealing machine, said safety catch device comprising:

5 a baffle pivotally provided at the opening of said machine body, a conducting sheet being provided at a rear side of said baffle; and

a probe set having a first probe and a second probe, said first and second probes being fixed inside said machine body and connected to a circuit unit with signal cables, wherein a front end of said first probe exceeds a front end 10 of said second probe by a certain distance, the front end of said first probe contacts said conducting sheet and the front end of said second probe keeps a certain distance from said conducting sheet;

whereby said conducting sheet contacts the front end of said second probe to transfer signals to said circuit unit for stopping the operation of film sealing 15 when said baffle swings backwards.

2. The safety catch device of a sealing machine as claimed in claim 1, wherein an upper end of said baffle is pivotally connected above the opening of said machine body with a pivot.

3. The safety catch device of a sealing machine as claimed in claim 1, wherein

20 each of said first and second probes comprises a bushing, a contact component and an elastic component, said contact component and said elastic component are positioned in said bushing, said elastic component pushes the front end of said contact component to protrude out of a front end of said bushing, said first and second probes pass through and are fixed at a

fixing seat using said bushings, said fixing seat is fixed in said machine body, said first and second probes are connected with said signal cables using said bushings, a front end of said contact component of said first probe exceeds a front end of said contact component of said second probe by a certain distance and the front end of said contact component of said first probe contacts said conducting sheet.

- 5 4. The safety catch device of a sealing machine as claimed in claim 1, wherein said second probe is located below said first probe.
- 10 5. The safety catch device of a sealing machine as claimed in claim 1, wherein said probe set has also a third probe fixed in said machine body, said third probe is connected to said circuit unit with another signal cable, said third probe is located between said first and second probes, a front end of said third probe aligns with the front end of said first probe, the front end of said third probe also contacts said conducting sheet, and said contact sheet comes off the front ends of said first and third probes to transfer signals to said circuit unit for stopping the film sealing operation when said baffle swings forwards.
- 15 6. A safety catch device of a sealing machine, said sealing machine comprising:
  - a machine body having an opening in a front side thereof;
  - 20 a cup seat arranged on said machine body and capable of entering and exiting said opening;
  - a film reel arranged above said machine body;
  - a waste material reel arranged above said machine body; and
  - a safety catch device comprising a baffle and a probe set, said baffle being

pivottally arranged at said opening of said machine body, a conducting sheet being provided at a rear side of said baffle, said probe set having a first probe and a second probe, said first and second probes being fixed inside said machine body and connected to a circuit unit with signal cables, a front end 5 of said first probe exceeds a front end of said second probe by a certain distance, the front end of said first probe contacts said conducting sheet and the front end of said second probe keeping a certain distance from said conducting sheet;

whereby said conducting sheet contacts the front end of said second probe to 10 transfer signals to said circuit unit for stopping the operation of film sealing when said baffle swings backwards.

7. The safety catch device of a sealing machine as claimed in claim 6, wherein an upper end of said baffle is pivotally connected above said opening of said machine body with a pivot.

15 8. The safety catch device of a sealing machine as claimed in claim 6, wherein each of said first and second probes comprises a bushing, a contact component and an elastic component, said contact component and said elastic component are positioned in said bushing, said elastic component pushes a front end of said contact component to protrude out of a front end of 20 said bushing, said first and second probes pass through and are fixed at a fixing seat using said bushings, said fixing seat is fixed in said machine body, said first and second probes are connected with said signal cables using said bushings, the front end of said contact component of said first probe exceeds the front end of said contact component of said second probe by a certain

distance and the front end of said contact component of said first probe contacts said conducting sheet.

9. The safety catch device of a sealing machine as claimed in claim 6, wherein said second probe is located below said first probe.

5 10. The safety catch device of a sealing machine as claimed in claim 6, wherein said probe set has also a third probe fixed in said machine body, said third probe is connected to said circuit unit with another signal cable, said third probe is located between said first and second probes, the front end of said third probe aligns with the front end of said first probe, the front end of 10 said third probe also contacts said conducting sheet and said contact sheet comes off the front ends of said first and third probes to transfer signals to said circuit unit for stopping the film sealing operation when said baffle swings forwards.